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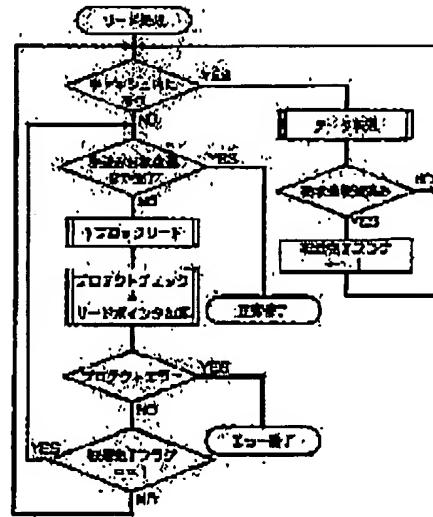
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(54) BUFFER MANAGING SYSTEM AND DRIVE DEVICE FOR DVD

(57)Abstract:

PROBLEM TO BE SOLVED: To inhibit the overwrite of data in a buffer and to prevent data from being read out of a medium again in vain when sectors not to be transferred to a user because of any reason such as protect mixedly exist in one block.

SOLUTION: A store pointer showing a sector newly read out of a disk is added to a read pointer showing a valid sector on the buffer. Through management based on two pointers, not only the overwrite on the buffer is prevented but also certificate processing is performed in the middle of operation by executing a check again with data on a buffer RAM when a request is issued from a host even while invalidity is temporarily judged based on any reason such as protect. When it is judged even a protected sector can be sent, it can be transferred without being newly read out of the disk and speed can be accelerated.



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